CHR

the PBS archive add on
for HR archiving objects

Manual Part C

– Display and evaluation –

Compatible with

- SAP R/3 4.x
- SAP ERP 5.0
- SAP ERP 6.0
- SAP ERP 6.17

SAP® Certified
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Introduction to the PBS ILM Concept

Information Lifecycle Management

Information Lifecycle Management (ILM) means the administration of information related to the time when it is used, taking into account its total costs and compliance. A conclusive, efficient ILM concept must, as a result, control data growth, manage retention rules, and also ensure compliant data storage. Furthermore, an easy access to archived data is decisive and, for example, its transfer during internal and external audits.

PBS ILM Concept

PBS software provides existing SAP customers extensive solutions to put into practice the requirements that were described above for a stringent and successful ILM concept. PBS is considered as an expert for complex, integrated data accesses to archived and database data and meanwhile, also to data that is located on decommissioned SAP systems. In addition to classical SAP data archiving, SAP BI-specific nearline storage is also supported.

PBS archive add ons®

PBS archive add ons always rely on SAP archiving having been carried out successfully. This is the basis for a permanently high-performing SAP system. In principle, you can indeed retain posted documents in the SAP database for a very long time due to a large database capacity. Depending on the document volume, this may result, however, in massive performance losses and, sooner or later, heavily increasing operation costs. The daily backup becomes difficult for large data stocks, for example.

A convenient display and evaluation of archived transaction data – as the SAP user is used to for database data – can often only be carried out in a very restricted manner using SAP standard means depending on the application module. This is particularly the case for large archive data stocks. The PBS archive add ons can be used here. They can be provided for nearly all SAP modules and release levels, and start with a "C" (for *Complete*) in their description. For example, PBS archive add on CCOPA for the SAP module COPA.

Using the PBS archive add ons you can quickly and easily access your archived data even after data archiving during your day-to-day business. The unrestricted data access is realized by an intelligent indexing concept. It extends the SAP archive infrastructure components and integrates itself optimally with SAP archiving. Archive data that has been indexed can still be provided after a release upgrade immediately, without restrictions, and without migration effort. The PBS archive index is stored in sequential files of the SAP file system in the same way as the SAP archive data. Afterwards, you can access the archive data online via the familiar transactions. The SAP user can display the data from the SAP database and the archive data simultaneously via the PBS archive add on index. For the user, it seems as though the archived data is still in the SAP database.

The deep integration of the PBS transactions also enables direct navigation to subsequent and previous documents both within the indexed SAP module as well as to linked documents from other SAP modules. This applies not only for resident but also without restrictions for archived data. The benefit for the user increases the more PBS archive add ons are used.

The potential benefits of the ILM concept raises substantially if you take into account the savings that result from the SAP mirror systems. There are usually at least two of them meaning that the saved disk storage can be tripled by performing data archiving. Thus, time is saved for the data backup.

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1. Introduction

The ***PBS archive add ons*** are constructed in modular form and cover the application modules FI, SD, MM, CO etc. with a special program package for exactly this application. You can easily see from the name which *PBS archive add on* belongs to which SAP module: CFI, CSD, CMM, CCO etc. All *PBS archive add ons* have in common that they can be easily installed in the SAP R/3 system via the SAP transport utilities **"tp"** and "SAINT". For installation details of the *PBS archive add ons* please see the specific installation manual (manual part A).

This manual on the display transaction and application programs was written to support you when using the *PBS archive add on CHR*. Please see the administration manual (part B) regarding construction and administration of the *PBS archive add on CHR*.

The modular user manual of each *PBS archive add on* is composed of partial manuals:

- Part A: Installation
- Part B: Administration, Archive Construction and Maintenance
- Part C: Application Programs / Transactions
- Part D: Migration Support R/2 => R/3 (if available)

There are additional manuals for the PBS utilities: Conversion Tool, Archive Browser, Translation Tool.

Should you have questions regarding the installation of the *PBS archive add ons* or if you have problems when installing the software please call directly the **Service Hotline of PBS Software GmbH**:

Phone: +49 - 6251 - 174 110
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Release Compatibility

The ***PBS archive add on CHR*** discussed in this manual runs with the basis programs of SAP AG, D-69190 Walldorf/Baden, system R/3, **releases 4.0, 4.5, 4.6, R/3 Enterprise, SAP ECC 5.0 correction levels a to z**.

2. Application Functions

2.1. Navigation within the *PBS archive add on CHR* up to 4.5x

PBS has integrated in its software a start menu which corresponds to the SAP standard menu `S000` after having registered in the SAP system. The only difference is the additional function button "*PBS archive add ons*".

In order to use this menu, you only have to enter start menu "YPBS" for users up to 3.1 respectively "`/PBS/PBS`" for users in all 4.0 releases and `/PBS/PBS_45` from release 4.5.

After pressing the button, you get to the main menu transactions for the *PBS archive add ons*, by which you can address the different modules in a comfortable way.

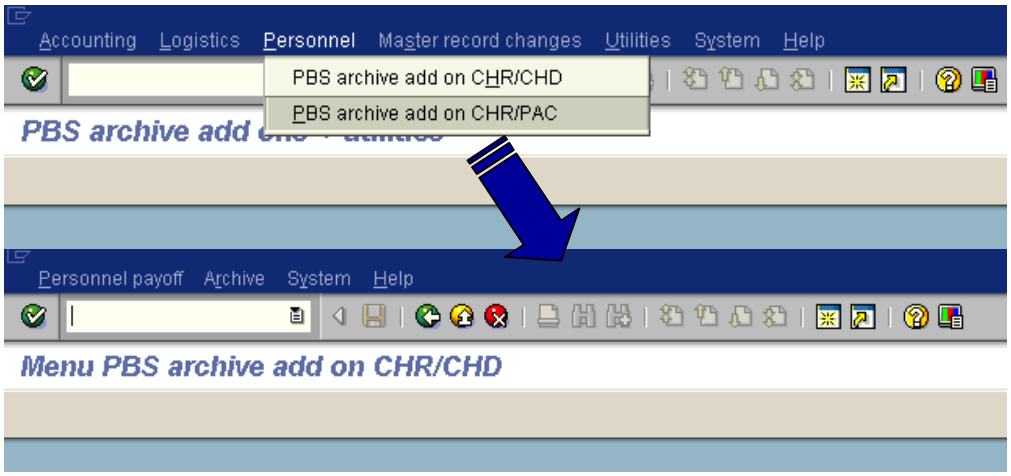


Diagram 1: PBS main menu with branching off to *PBS archive add on CHR*

2.2. Navigation in the *PBS archive add on CHR* from 4.6

From the Easy Access menu you can easily navigate via the button 'User menu' through the functions of the *PBS archive add on CHR*. This is possible when your system administrator has added the role/activity group to your user profile.

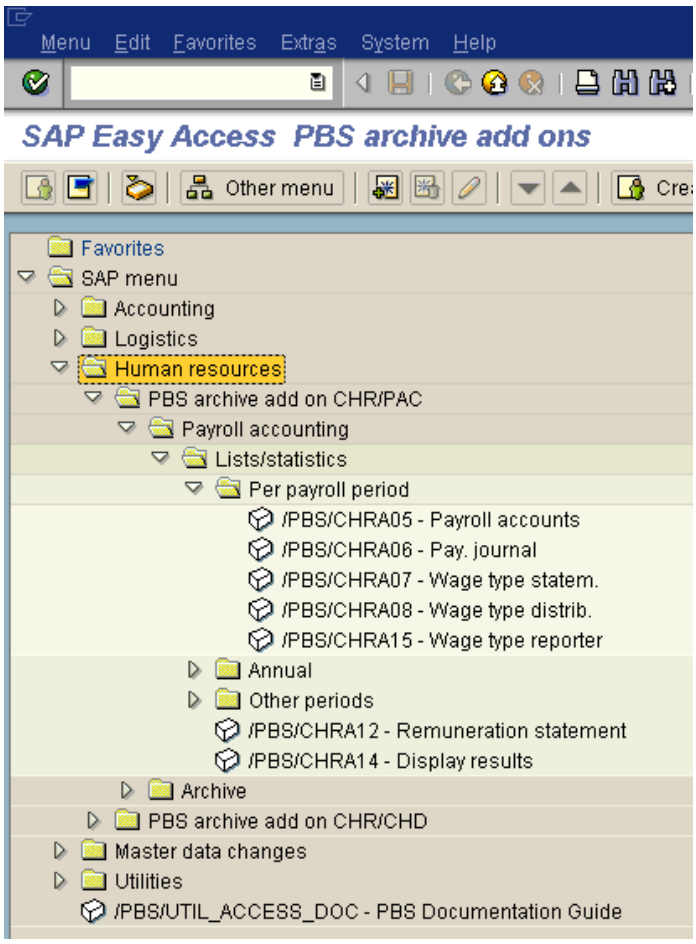


Diagram 2: Navigation via SAP Easy Access

2.3. Transaction Overview

For the *PBS archive add on CHR* the following transactions relevant for the user are provided. The display transactions show documents from the SAP database and from the *PBS archive add on CHR*.

PBS-Transaction	SAP-Trans.	Description
/PBS/PBS	-	Main menu of the *PBS archive add ons*
/PBS/CHRS_ADK	-	Area menu for HR Long-term documents
/PBS/CHR_PAC	-	Area menu for HR payroll accounting results (Germany)
/PBS/CHR_PAC_US		Area menu for HR payroll accounting results (USA)
/PBS/CHR_PAC_GB		Area menu for HR payroll accounting results (United Kingdom)
Long Term Docs.		**Country independent**
/PBS/ S_AHR_61016380	S_AHR_61016380	Display of master data change documents for personnel -/ applicant data (country independent)
Payroll Accounting		**Germany**
/PBS/PC00_M01_CKTO	PC00_M01_CKTO	Report payroll accounts /PBS/RPCKTOD0
/PBS/PC00_M01_CLJN	PC00_M01_CLJN	Report payroll journal /PBS/RPCLJND0
/PBS/ PC00_M99_CLGA00	PC00_M99_CLGA00	Report wage type statement /PBS/RPCLGA00
/PBS/PC00_M99_CLGV00	PC00_M99_CLGV00	Report wage type distribution /PBS/RPCLGV00

Table 1: Transactions of *PBS archive add on CHR* (part 1)

PBS-Transaction	SAP-Trans.	Description
/PBS/PC00_M01_LEHB	PC00_M01_LEHB	Current and yearly rise in earnings in industry and trade /PBS/RPLEHBD0
/PBS/PC00_M01_LEHE	PC00_M01_LEHE	Report inc. statistics for employers' association "Metal Industry" /PBS/RPLEHED0
/PBS/PC00_M01_LEHD	PC00_M01_LEHD	Report inc. statistics for employers' association "Chemical Industry" /PBS/RPLEHDD0
/PBS/PC00_M01_CEDT	PC00_M01_CEDT	Report remuneration statements /PBS/RPCEDTD0
/PBS/PC00_M99_CWTR	PC00_M99_CWTR	Report wage type reporter (from rel. 4.6)
Payroll Accounting		**USA**
/PBS/PC00_M10_CLJN	PC00_M10_CLJN	Payroll journal /PBS/RPCLJNU0
/PBS/PC00_M99_CLGA09	PC00_M99_CLGA09	Wage type statement /PBS/RPCLGA09
/PBS/PC00_M99_CLGV09	PC00_M99_CLGV09	Wage type distribution /PBS/RPCLGV09
/PBS/PC00_M99_CWTR	PC00_M99_CWTR	Wage type reporter /PBS/H99CWTR0
/PBS/PC00_M10_REC	PC00_M10_REC	Payroll reconciliation report /PBS/ RPCPRRU0
/PBS/S_AHR_61016146	S_AHR_61016146	Garnishment detail report /PBS/RPCGRNU0
/PBS/PC00_M10_CLAIMS	PC00_M10_CLAIMS	Claims processing /PBS/RPCLMSU0

Table 1: Transactions of *PBS archive add on CHR* (part 2)

PBS-Transaction	SAP-Trans.	Description
/PBS/S_PH9_46000233	S_PH9_46000233	Pensionable earnings and hours report /PBS/RPCPENU0
/PBS/S_AHR_61016148	S_AHR_61016148	US worker's compensation report /PBS/RPLWCOU0
/PBS/S_AHR_61018754	S_AHR_61018754	Display payroll result /PBS/RPCLSTRU
/PBS/PC00_M10_CEDT	PC00_M10_CEDT	Remuneration statements /PBS/RPCEDTU0
Payroll Accounting		**United Kingdom**
/PBS/RPCCRTG01	-	HR - Court Orders Report for Great Britain
/PBS/PC00_M08_UREC0	PC00_M08_UREC0	Payroll Results Check Data Generation
/PBS/PC00_M08_CEDT	PC00_M08_CEDT	Renumeration statements

Table 1: Transactions of *PBS archive add on CHR* (part 3)

2.4. Evaluation of HR Long Term Documents

The PBS report `/PBS/RPUAUD00_ADK` for the display of HR long-term documents, also called info-type change documents, is nearly identical to the SAP report. This is why the usage of this report should be possible without any special training of the user. In the selection screen the difference between the PBS report and the SAP original is the PBS parameter. In using this parameter, the user can decide which data source(s) are taken into account in search of the desired change documents.

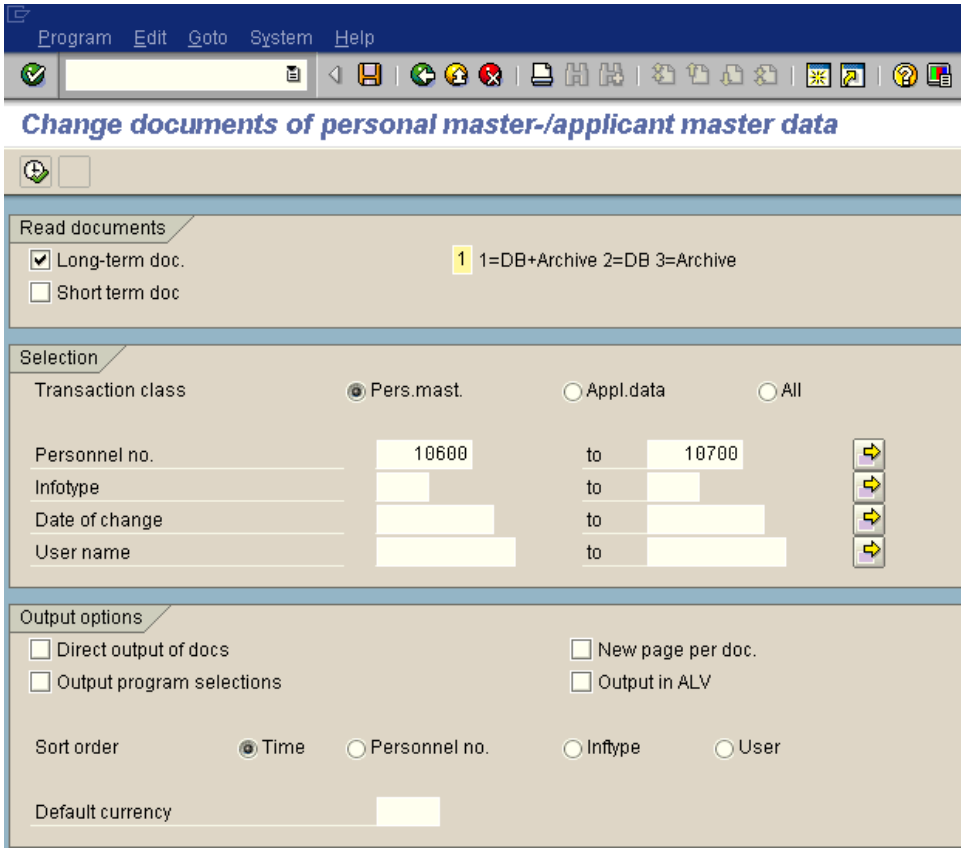


Diagram 3: Selection screen of PBS report `/PBS/RPUAUD00_ADK`

When using the PBS parameter with the value '1', for example, the result list can be composed of already archived changed documents as well as of the resident documents. The archived documents are, in addition to the archiving run number, provided with the archiving asterisk in the last column.

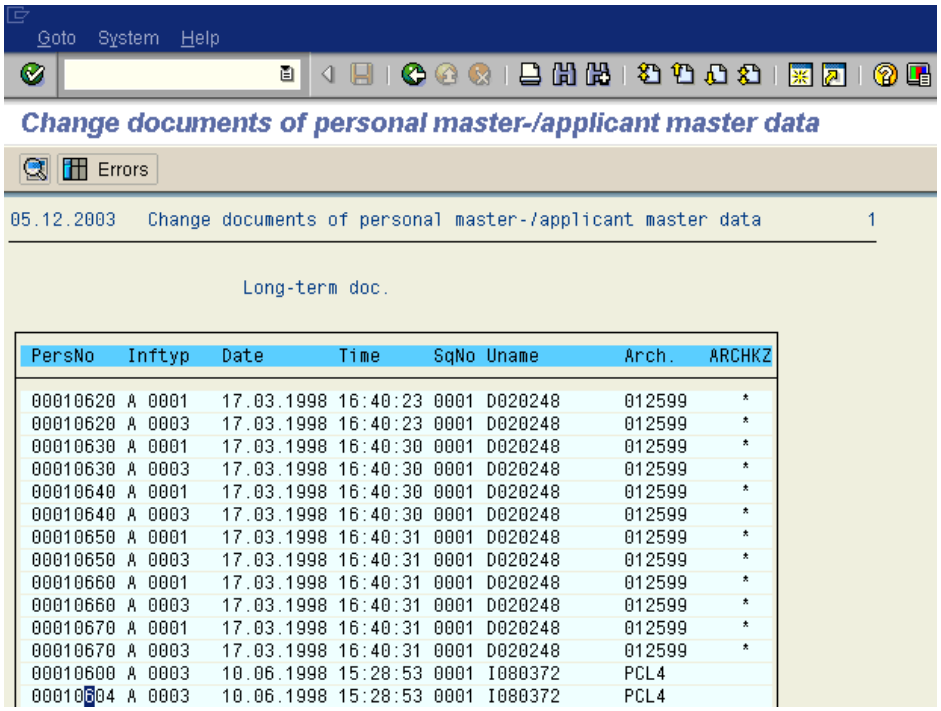


Diagram 4: **The symbol "Archive *" marks the difference**

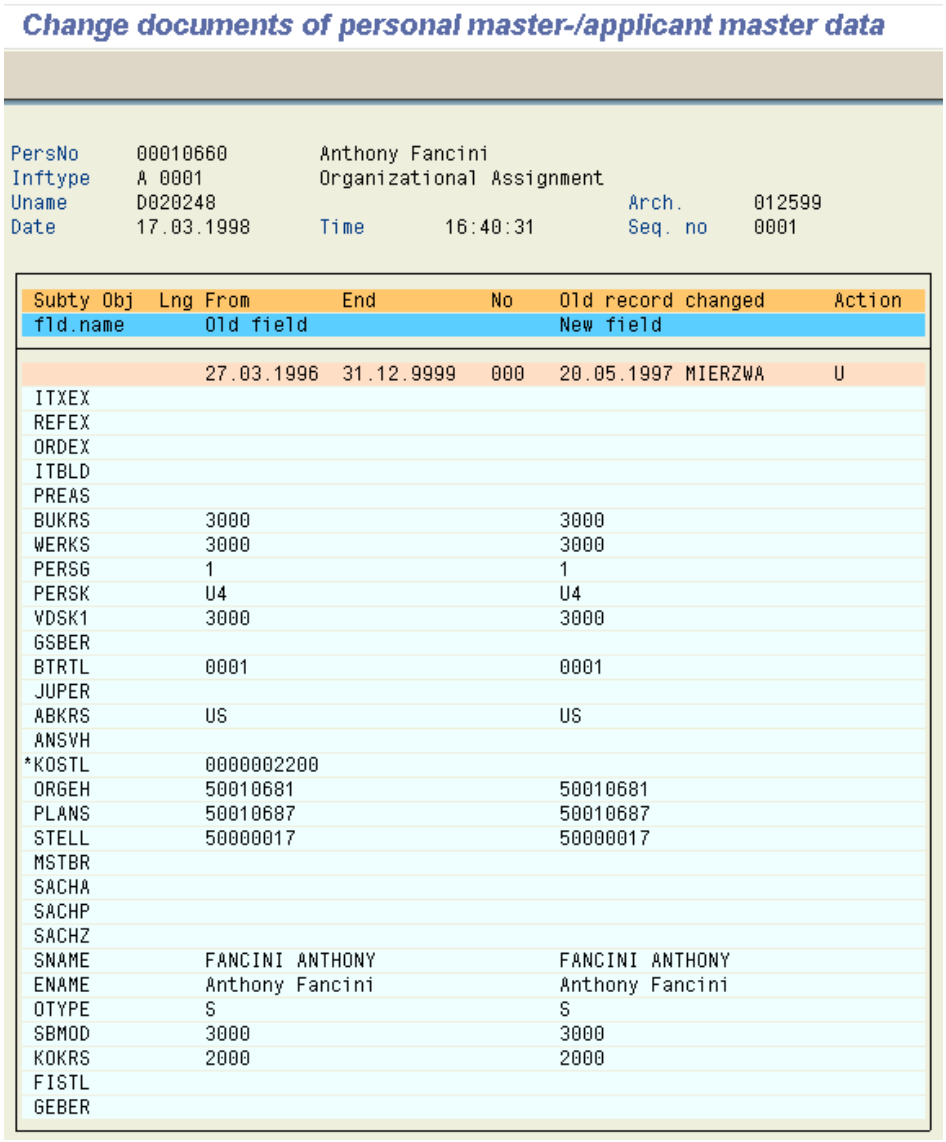
For the PBS parameter the following features exist:

1 = read data from the database as well as from the archive

2 = only read data from the database

3 = only read data from the archive

If you want to display a document a double-click on the corresponding line is sufficient and the document is displayed.



Change documents of personal master-/applicant master data

PersNo 00010660 Anthony Fancini
Inftype A 0001 Organizational Assignment
Uname D020248 Arch. 012599
Date 17.03.1998 Time 16:40:31 Seq. no 0001

Subty	Obj	Lng	From	End	No	Old record changed	Action
fld.name			Old field			New field	
			27.03.1996	31.12.9999	000	20.05.1997 MIERZWA	U
ITXEX							
REFEX							
ORDEX							
ITBLD							
PREAS							
BUKRS			3000			3000	
WERKS			3000			3000	
PERSG			1			1	
PERSK			U4			U4	
VDSK1			3000			3000	
GSBER							
BTRTL			0001			0001	
JUPER							
ABKRS			US			US	
ANSVH							
*KOSTL			0000002200				
ORGEH			50010681			50010681	
PLANS			50010687			50010687	
STELL			50000017			50000017	
MSTBR							
SACHA							
SACHP							
SACHZ							
SNAME			FANCINI ANTHONY			FANCINI ANTHONY	
ENAME			Anthony Fancini			Anthony Fancini	
OTYPE			S			S	
SBMOD			3000			3000	
KOKRS			2000			2000	
FISTL							
GEBER							

Diagram 5: **Document view of report `/PBS/RPUAUD00_ADK`**

2.5. Evaluation of Payroll Accounting Results

Important:
The *PBS archive add on CHR* domain payroll accounting results is, in contrast to the domain long-term documents, country depending, i.e. for each country mostly different reports exist. The procedure for all PBS reports nearly follows the SAP original reports. The difference is the existence of the PBS selection parameter. In the following chapter the procedure for reports for the evaluation of payroll accounting results is described with the example of the evaluation of the ‚wage type statement'. This report was selected as it exists for most of the countries, although sometimes in altered forms.

The evaluation wage type statement is the report `/PBS/RPCLGA09`. The following diagram displays the already filled selection screen of this report:

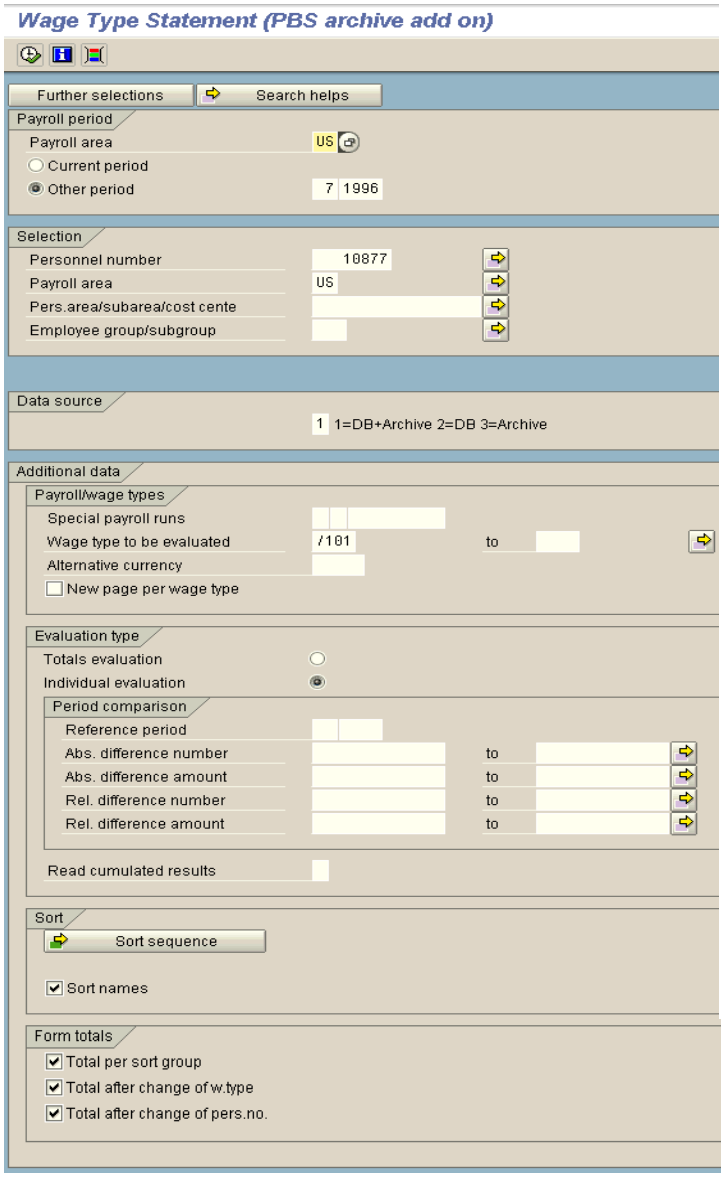
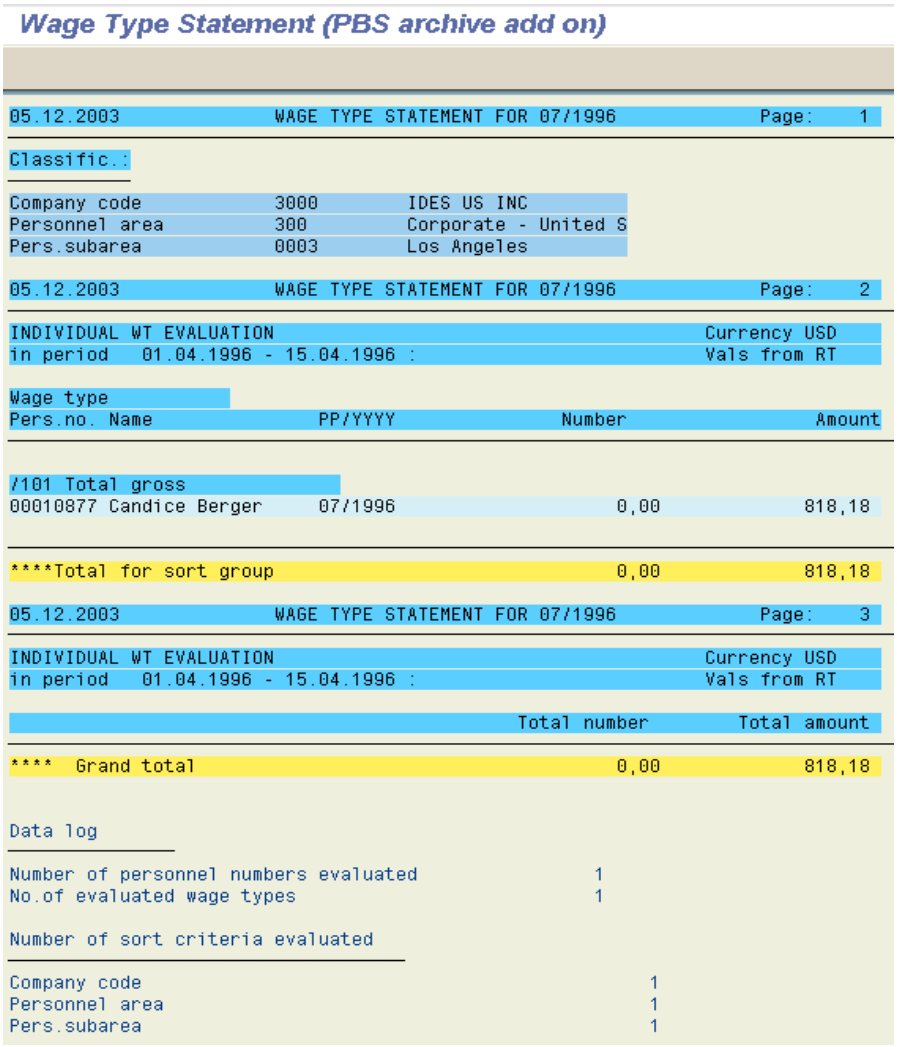


Diagram 6: **Report Wage Type Statement `/PBS/RPCLGA09`**

Regarding the selection options the PBS parameter, which determines from which data source the data should be selected, is the only difference to the original `RPCLGA09`.

Diagram 7: **PBS-Parameter Data source**

When clicking the execution button after entering the value for the selection parameter or when pressing the key F8, you start the program execution. Then, the result list would look like the following:



Wage Type Statement (PBS archive add on)

```
05.12.2003              WAGE TYPE STATEMENT FOR 07/1996              Page:    1

Classific.:

Company code            3000        IDES US INC
Personnel area          300         Corporate - United S
Pers.subarea            0003        Los Angeles

05.12.2003              WAGE TYPE STATEMENT FOR 07/1996              Page:    2

INDIVIDUAL WT EVALUATION                                        Currency USD
in period   01.04.1996 - 15.04.1996 :                           Vals from RT

Wage type
Pers.no.  Name                PP/YYYY                Number              Amount

/101 Total gross
00010877 Candice Berger     07/1996                   0,00              818,18

****Total for sort group                              0,00              818,18

05.12.2003              WAGE TYPE STATEMENT FOR 07/1996              Page:    3

INDIVIDUAL WT EVALUATION                                        Currency USD
in period   01.04.1996 - 15.04.1996 :                           Vals from RT

                                                  Total number      Total amount

****  Grand total                                     0,00              818,18


Data log

Number of personnel numbers evaluated              1
No.of evaluated wage types                         1

Number of sort criteria evaluated

Company code                                          1
Personnel area                                        1
Pers.subarea                                          1
```

Diagram 8: **Result list of report `/PBS/RPCLGA09`**

In addition to the original list the PBS archive characteristic (the sign *) is set in the furthest right column at the payroll results, which were already archived. However, this column does not exists for all evaluations. In case of totals evaluation and reports to which multiple printout forms can be assigned we had to renounce on the display of this column.

3. ABAP/4 Interfaces

The following chapter describes the methods and auxiliary programs for the access to the data archived with the *PBS archive add on CHR*.

This data can be accessed via the ABAP/4 routines provided by PBS or via a function module.

3.1. Access via ABAP/4 Routines

All important routines required for the access to the archive data are included in the ABAPs `/PBS/CHRSREAD_ADK` resp. `/PBS/CHRPAC_READ`.

3.2. Access via PBS Function Module

The function module **"/PBS/SELECT_INTO_TABLE"** accesses the *PBS archive add on* and exports the data records of the requested table to an internal table.

The function uses the following interfaces:

Name	Description	Type	Optional	Example
ARCHIV	Name of archive	Parameter		'CHR'
TABNAME	Table name	Parameter		'PCL2'
SCHL1_NAME	Name key 1	Parameter	X	'RELID'
SCHL1_VON	Smaller value key 1	Parameter	X	'RD'
SCHL1_BIS	Higher value key 1	Parameter	X	'RD'
SCHL2_NAME	Name key 2	Parameter	X	'SRTFD'
SCHL2_VON	Smaller value key 2	Parameter	X	0001087700001
SCHL2_BIS	Higher value key 2	Parameter	X	00010877000011
SCHL3_NAME	Name key 3	Parameter	X	'SEQNO'
SCHL3_VON	Smaller value key 3	Parameter	X	00001
SCHL3_BIS	Higher value key 3	Parameter	X	00011
SCHL4_NAME	Name key 4	Parameter	X	''
SCHL4_VON	Smaller value key 4	Parameter	X	''
SCHL4_BIS	Higher value key 4	Parameter	X	''
I_TABELLE	Name of return table	Table		TAB57
SCHL1_IN	Select option key 1	Table	X	
SCHL2_IN	Select option key 2	Table	X	
SCHL3_IN	Select option key 3	Table	X	
SCHL4_IN	Select option key 4	Table	X	

Table 2: Parameters of /PBS/SELECT_INTO_TABLE